

p25
On Determining the Density of Rock Located Close to
the Bay Surface by Means of Detailed Graviestric
Prospecting, by V. P. Stepanov, 7 pp.
RUSSIAN, per, Razvedka i Okhrana morya, No 10, Oct 1964,
pp 39-42.
JPRS 27,749

Sci-Earth Sciences & Astronomy
Feb 65

272,842

53
On the Structure of Magnetic Fields in the Active
Region of the Sun, by V. Ya. Smirnov, S. I. Gopasyuk.
RUSSIAN, per, Iz Krymskoy Antrodiz Observ,
Vol XXVIII, 1962, pp 294-221.
NASA TT F-344

Sci - E S & Astr
May 64
H

259,481

Photoelectric Methods for Measuring the Magnitude
and the Direction of the Magnetic Field on the Sun's
Surface, by V. Ya. Stetskov, A. V. Severnyy.
RUSSIAN, per, in Krynokoy Astrofiz. Observ., No 21,
1961, pp 184-191.
NASA TT F-3497

Sci - E. S. & AM
Mx 44
U. S. GOVERNMENT ONLY

REF ID: A623014

Determination of the Magnetic Field Gradient in the Solar
Photosphere, by V. Ye. SUDANOV, 10 pp.
RUSSIAN, per, Izvestiya Krymskoy Astronfizicheskoy
Observatorii, Vol XXX, 1964, pp 43-48. 9219347

NASA TT F-113

Sci - Earth Sci & Astron
Mar 64

236, 913

NLC Ref: 8731.9 1964 (138)
(LOAD COPY)

On the Structure of Magnetic Fields in the
Active Region of the Sun, by V. Ye. Stepanov,
S. I. Gasparyuk.

RUSSIAN, *rept.*

NLL Ref: 8731.9 1964 (144)
(loan copy)

Sci
Sep 64

The Absorption Coefficient of Atoms in the Reverse Zeeman Effect With Arbitrary Direction of Magnetic Field,
by V. Ye. Stepanov, 21 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XVIII,
1958, pp. 136-150, 9211930.

NASA TT F-110

Sci - Earth Sci & Ast.
Sep 63

344,011

The Possibility of the Excitation of an
Electronic Plasma of High Concentration With
the Aid of Radioactive Isotopes, by V. G.
Stepanov, E. V. S. Stepanov, 5 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy,
Fizika, No 2, 1959, pp 36-38.

SLA 60-18140

Sci

196, 496

May 62

Diamagnetic Properties of Plasma Excited in
Argon and Neon, by D. A. Pulin, V. G. Stepanov,
6 pp.

RUSSIAN, per, Iz Vysshykh Ucheb Zaved, Fiz,
No 5, 1961, pp 26-29. 9676538

FTD-FT-62-324

Sci - Phys

3 May 62

194, 113

The Substitution of Halogen in Nitrogen Compounds XII.
The Influence of the Nature of the Halogen., by M. A.
Andreyeva, V. I. Stepanov, 3 pp.

RUSSIAN, per, Zhur Obshch, Khim, Vol XXX, No 8, 1960,
pp 2768-2770.

CB

168, 768

Sci

Sep 61

(FDD 27491)

Pulse Telemetering System of the Institute of Automation and Telemechanics, Academy of Sciences USSR, by V. I. Stepanov, 22 pp

RUSSIAN, also par, Avtom i Telemekh, Vol XVI, No 4, Moscow, Jul/Aug 1975, pp 396-401.

CIA/FDD U-8191

34,825

Sci- Electronics, telemetering
Apr 56

The KST-1 Remote System for Distributed Objects, by
V. A. Il'in, K. P. Kurdyukov, V. I. Stepanov, 4 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 2,
1960, pp 249-252.

Instru Soc of Amer

Sci

Apr 60

112,513

61-31602

Stepanov, V. G., Zakharchenko, V. F., and
Bezel', V. S.

THE MOVEMENT OF PLASMA IN A MOVING MAG-
NETIC FIELD (Dvizhenie Plazmy v Dvizhushchetsya
Magnitnom Pole) tr. by D. L. Myers and others.

10 Aug 61, 13p. 5 refs. H-7279.

Order from OTS \$0.50

61-31602

Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii,
Fizika (USSR) 1960, no. 1] p. 104-114.

DESCRIPTORS: Magnetic fields, *Particles, *Motion,
*Plasma oscillations, Hydrodynamics, Electric fields.

The solution is presented of the problem concerning
movement of charged particles in a rotating magnetic
field. It is shown that the study of the movement of an
ionized gas in a rotating magnetic field, in a fre-
quency field which is lower than the Larmor frequency,
is possible in a hydrodynamic approximation. On the
(Physics--Theoretical, TT, v. 6, no. 12) (over)

I. Stepanov, V. G.
II. Zakharchenko, V. F.
III. Bezel', V. S.
IV. ACSI H-7279

Office of Technical Services

The Molecular Weight of Polymers M, by V. M.
Stenapov, A. B. Silayev, G. S. ~~Kizimov~~ Kistrukha,
6 pp.

RUSSIAN, per, Biokhim, Vol XXV, No 4, 1960, pp 749-
757.

CB

Sci -
May 61

152,841

38
Investigation of the Physical-Mechanical Properties
of Iron and Nickel Based Alloys, by V. M. Stepanov,
V. M. Kozlov, 20 pp.
RUSKAL, etc., Mekhanicheskoye Svoystva i Litogo
Materiala, 1963, pp 229-234.
JPRS 23367

Sci-Mat/Mat
Aug 64

265,066

3
Magnetodynamic Generators and the Possibilities
of Their Use, by V. M. Buganov, 5 pp.
RUSSIAN, per, Mashinostroenie, No 2, 1964,
pp 74-79. 9893205
CIA AP-1-628-2-2-64-207

USSR
MII
Dec 64

270,817

An Investigation of Pepsin by Paper Electrophoresis,
by V. M. Stepanov, E. D. Levin, V. N. Orekhovich,
3 pp.

RUSSIAN per, Dok Ak Nauk SSSR, Vol CXXXVI, No 4,
1961, pp 1238-1240.

AIBS

Sci

169, 929

Sep

The Preparation of Phenyl Substituted Derivatives of
Gramicidin s. by V. M. Stepanov, A. B. Silayev, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 11,
1961, pp 3804-3810.

CB

Sci

213,171

Aug 62

The Preparation of Derivatives of Gramicidin S which
Contain Carboxyl Groups, by V. M. Stepanov, A. B.
Silayev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 11,
1961, pp ~~3813-3817~~ 3811-3814.

CB

Sci

Aug 62

213,172

Preparation of -N-Guanyl-Gramicidin S, by V. M.
Stepanov, A. B. Silaev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 11,
1961, pp 3799-3803.

CB

Sci

Aug 62

213,170

Determination of the Amino Group Content of
Cannamycin Myocerin, and Galimycin, by A. B.
Silayev, G. S. Katrukha, V. M. Stepanov, 3 pp.

RUSSIAN, per, Biokhimiya, Vol XXVI, No 1,
1961, pp 10-12.

CB

Sci
Sep 61

168,429

The Chemistry of Polymyxin M. IV. The Synthesis
and Properties of Some Potential Fragments of
Polymyxin M, by A. B. Silayev, V. M. Stepanov,
et al, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 8,
1961, pp 2716-2720.

CB

Sci
Jul 62

205,288

The Chemistry of Polymyxin M. III. A Partial Hydrolysis
of Polymyxin M, by A. B. Silayev, V. M. Stepanov,
et al, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 8,
1961, pp 2712-2715.

CB

Sci
Jul 62

205,297

The Partial Esterification of Some Amino Acids and
Blutathione, by V. M. Stepanov, G. L. Muratova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1961, pp 1677-1683.

CA

Sci

202,827

JUL 62

The Chemistry of Polymyxin M. 1. Qualitative
Amino Acid Composition, End Group Analysis,
by A.B. Silayev, V.M. Stepanov, E.P. Yulikova,
5 pp.

RUSSIAN, per Zhur Obshch Khim,
Vol. XXXI, No. 3 1961, pp 297-304.

CB

Sci

192, 583

Mar 62

The Chemistry of Polymixin N. II. Quantitative
Aminoacid Composition, by A. B. Silayev, V. M.
Stepanov, E. P. Yulikova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 3,
1961, pp 1023-1026.

CB

Sci

192, 176

Mar 62

An Analysis of the Causes of Neglect in Patients
With Tongue Cancer, ~~by V. M. Stepanov~~ by V. M. Stepanov, 6 pp.

RUSSIAN, per, Voprosy Onkologii, Vol V, No 2,
1959, pp 216-221.

Pergamon Press

Sci

Feb 60

107,408

A Study of the Importance of the Free Amino
Group in Oremicidin S to Its Biological
Activity, by A. B. Silayev, V. M. Stepanov,
4 pp.

RUSSIAN, thrice-20 per, Dok Ak Nauk SSSR,
Vol. CXII, No 2, 1957, pp 297-299.

Consultants Bureau

56,273

Sci - Chem
Dec 57

On the Depth of Wind Intermixing in the World Ocean,
by V. N. Stepanov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5,
1959, pp 768-772.

Amer Geophys Union

Sci
Aug 60

122,144

Dynamic AC Potentiometer, by T. M. Aliyev,
V. P. Stepanov, 5 pp.

RUSSIAN, per, Izmeritel Tekh, No 10, 1961,
pp 34-38.

ISA

Sci

Jul 62

204,077

Density and Gravitational Effect of Paleozoic
Rocks in the Tatar Republic, By A. G. Salikhov
and V. Pl Stepanov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR Ser Geofiz, No 2,
1960, pp 271-277

Amer Geophys Union

Sci

Nov 60

132,977

Extra-Axial Heterogeneity of E1787 Steel, by V. P.
Stepanov et al, 3 pp. ~~XXX~~

RUSSIAN, per, Stal, No 6, 1962, pp 544-547.

BISI

Sci

Oct 62

214,885

Instrument for Displaying AC Vectors, by
T. M. Aliyev, V. P. Stepanov, 11 pp.

RUSSIAN, per, Iz Vyssh Ucheb Zaved MVisso SSSR
po Razdelu Priborostroyeniye, Vol V, No 3, 1962,
pp 37-42

JPRS 21014

Sci

Sep 63

343,744

Magnetic Anomalous Field of the Tatar ASSR
and its Connection with the Geologic
Structure, by V. P. Stepanov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5,
1960, pp 720-724.

AGU

Sci
Feb 61

138, 412

(NY-6376)

Alloplasty of Extensive Pericardial Defects After
Pulmonectomy in Experiment, ~~XXXX~~ by V. S. Stepanov,
4 pp.

RUSSIAN, per, Vest Khirurgii imeni I. I. Grekov,
Vol LXXXVI, No 3, 1961, pp 48-51.

JPRS 9574

Sci - Med
Jul 61

/60,033

The Possibility of the Excitation of an
Electronic Plasma of High Concentration With
the Aid of Radioactive Isotopes, by V. G.
Stepanov, M. V. S. Stepanov, 5 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy,
Fizika, No 2, ~~1958~~ 1959, pp 36-38.

SLA 60-18140

196,496

Sci

May 62

Notion of Inertial and Magnetic Field
in a Concept, Nos. 1-2, by G. V. Kozlov,
V. O. Stepanov, 22p.
RUSSIAN, 1st, ~~Engineering Journal~~, No 1,
1963, pp 57-67, No 2, 1963, pp 43-50.
OTS 77-64-19804

V.S. Stepanov
333, 577

301 67

A Solar-Sidereal Synchronous Motor (SZSD-1) for Driving
Quartz Clocks, by E. I. Smirnov, V. S. Stepanov, S. S.
Tovchigrechko, 3 pp.

RUSSIAN, per, Astron Zhur,, Vol XXXVII, No 5, 1960,
pp 927-930.

AIP
Sov Astron - AJ
Vol IV, No 5

Sci

158, 209

Jun 61

News of Welding Engineering in the German Democratic Republic, by V. V. Stepanov, 3 pp.

RUSSIAN, per, Svaroch Proiz, No 7, 1960, pp 40-41.

BWRA

Sci

170,741

Oct 61

(FTD 22020)

Review of V. V. Nemytskiy's and V. V. Stepanov's
Book: "Qualitative Theory of Differential Equations,"
by A. G. Mayer, 9 pp.

RUSSIAN, no per, Sov Kniga, Moscow, No 12,
Dec 1948, pp 20-23.

CIA/FTD/U-6711

USSR

Sci - Mathematics

CTS 68/May 55

25, 106

Arc Heating of Ingot Feeder Heads, by V. V.
Stepanov, V. A. Batmanov, N. A. Sanok, 3 p.

RUSSIAN, per, Stal, No 10, 1959, pp 913-916.

British Iron and Steel Inst.

Sci

Apr 60

114,824

(FDD 21958)

Review of "Introduction to the General Theory of
Sets and Functions," by V. V. Stepanov, 4 pp.

RUSSIAN, no per, Sov Kniga, No 5, Moscow, May 1949,
pp 47-48.

20,052 CIA/FDD/U-6555

USSR

Sci - Mathematics, set theory

Dec 1954 CTS

63-20285

Stepanov, V. V.
ON THE STABILITY IN THE SENSE OF JACOBI.
[1963] [18p] 5refs
Order from OTS or SLA \$1.60 63-20285

Trans. of Astronomicheskii Zhurnal (USSR) 1936,
v. 13, no. 5, p. 435-454.

DESCRIPTORS: *Calculus of variations, *Celestial
mechanics, Equations of motion, Differential equations,
Mathematical analysis, Integrals, N-body problem,
*Stability.

(Astronomy--Astrophysics, TT, v. 10, no. 12)

1. Title: Jacobi method
I. Stepanov, V. V.

6154

Office of Technical Services

(FDD 16663)

Ordinary Differential Equations, by V. V. Nemytskiy,
V. V. Stepanov, 133 pp.

RUSSIAN, bk, Matematika V SSSR, za Tridcat Let
Vol XXX, Moscow/Leningrad, 1948, pp 481-544.

20,056

CIA/FDD/U-4394

USSR
Sci - Mathematics

Dec 1954 CTS

Determination of the Magnetic Field Gradient in
the Solar Photosphere, by V. Y. Stepanov.
RUSSIAN, per, Izv Krymsk Astrofiz Observ, No 22,
1960, pp 8-42
NLL/8731.9 , 1964 138

V. Y. STEPANOV

Sci -
JUL 67

334,497

Electromagnetic Nature of Sun Spots, by V. Ye.
Stepanov, 58 pp. USSR

RUSSIAN, per, Uchenye Zapiski L'vovskogo Gosu-
darstvennogo, Ser Fiz-Matemat, Vol XV, No 4,
1949, pp 45-77.

ATTC MEL-318/III

Sci - Astronomy

Apr 60

112, 936

A New Regularity in the Origin of Sunspots, by
V. Ye. Stepanov, 11 pp.

RUSSIAN, per, Astron Zhur, Vol XXV, No 4, 1948,
pp 209-215. C 1A 645296

ATIC F-TS-9593/V

Sci - Astron
Mar 59

82, 8/6

Aviation Sport Classification, by Ye.
Stepanov, 11 pp. UNCLASSIFIED

RUSSIAN, per, Kryn'ya Rodiny, No 2, 1953,
Encl to 1A1-171-54, AFOW.

AF 619142

USSR
Military
Economic
CIA D-27635

15,415

Normal Ionization in a Plasma and Intensification 112
of Burning by a Laser Field, by N. N. Glinkov,
Yu. M. Stepanov. 13 pp.
MILITARY, per, Izvestiya Vysshikh Uchebnykh
Zavedeniy. Chernaya Metallurgiya, No 9, 1961,
pp 143-152.
A10/RTD/02-24-165-58

Yu. M. Stepanov
Sci./propulsions & Space
Feb 69

376,405

Bettering Aviation Records, by Ye. N. Stepanov,
S. S. Kudryavtsev, 6 pp.

RUSSIAN, per, Vest FVoz Flota, No 9, 1960,
9660559.

ATIC

Sci

Apr 61

144, 416

Force Interactions Between Solidifying Castings and
the HNH Mould, by G. F. Balandin, Yu. A.
Stepanov, 4 pp.

RUSSIAN, per, Lit Prois, No 4, 1962.

EX BCIRA

Sci

Nov 62

216,436

Effect of Mould Friction on Hot Tearing of Castings,
by Yu. A. Stepanov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Mashin,
No 4, 1960, pp 86-94.

HB 5339

Sci - Chem

May 62

196, 193

Preparation of Azelaic and Sebacic Acids by
the Oxidation of the Acids of Castor
Oil and of the Undecylenic Fraction of
the Products of the Pyrolysis of Methyl
Recinoleate, 8 pp, by M. F. Ishanina, Yu. A.
Stepanov, S. N. Danilov.

RUSSIAN, per, Trudy Tekhnologicheskoy
Institut Imeni Leningradskogo Soveta, No 42,
1957, pp 30-38.

ATS-26L30R

186,297

Feb 62

Carpetage Against Radioelectronic Surveillance,
by Yu. G. Stepanov, 39 pp. FOR OFFICIAL USE ONLY
RUSSIAN, Rf, Mashinostroenie i Radioelektronika Mashino-
stroyeniya, Moscow, 1963, pp 1-39. 9506966
FSTC 321-764-185

Sci - Elec
Jun 68

279,049

A New Upsurge of Mass Inventions in the Technology
for Concentrating Useful Minerals, by V. A. Ivanov,
Yu. G. Melik-Stepanov, 7 pp. UNCLASSIFIED

RUSSIAN, no per, Tsvetnyye Metally, No 10, Oct 1957,
pp 31-35.

US JPRS/DC-L-331 /

USSR

Econ - Nonferrous Metallurgy 64, 215

May 58

Mobility of Modifying Additives in a Silver
Catalyst, by Yu. N. Stepanov, L. Ya. Margolis,
6 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 5,
1961, pp 684-689.

CB

Sci
Aug 62

206,489

Modification of a Silver Catalyst by Organic
Halogen Compounds, by Yu. N. Stepanov, L. Ya.
Margolis, S. Z. Roginskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV,
No 2, 1960, pp 369-372.

EE CB

Sci

167, 393

Jul 61

The Mobility of Modifying Additives in Silver,
by Yu. N. Stepanov, L. Ya. Margolis, S. Z.
Roginskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII,
No 6, 1960, pp 1384-1387.

CB

Sci

Apr 61

149,169

The Separation of Neon Isotopes by the
Thermal Diffusion Method, by
L. S. Kotousov, Ye. M. Martynov,
Yu. P. Stepanov, 3 pp.

RUSSIAN, per, Atom Energ, Vol X, No 6,
1961. 9572112

FTD-TT-61-30

Sci - Phys

180,264

22 Jan 62

Yu. S. Stepanov

The Depth of Penetration into the Impact of Nuclear
Fertilization, by E. I. Andryushin, Yu. S. Stepanov.
RUSSIAN, in, *Iskustvennyye Spetsial'nyi Zashchit*, No 15,
1963, pp 44-52.

NASA TT F-5882

Sci - Area

Feb 64

U.S. GOVERNMENT ONLY

280,142

An Inspiring Example of The Struggle For Communism,
by Stepanova

RUSSIAN, np, Pravda, 28 Nov 1960

FBIS wire

Parameters of Elementary Cells of Metal
Hexaborites, by A. A. Stepanova, M. M.
Umanskiy, 5 pp.

RUSSIAN, per, Bor, Trudy Konf Khim Bora i Ego
Soedinenii, 1955, pp 102-105.

AEC Tr-4270

Sci - Chem
21 Feb 61

140,943

61-15351

Stepanova, A. A. and Umanskiy, M. M.
PARAMETERS OF ELEMENTARY CELLS OF METAL
HEXABORIDES. 1960, 5p. 5 refs.
Order from OTS or SLA \$1.10 AEC-tr-4270

Trans. of Konferentsii po Khimii Bora i Yego
Soyedinenii. Trudy [held in] 1955, 1956, p. 102-105.

DESCRIPTORS: Metallic compounds, *Borides,
Crystal structure, X-ray photography, Atomic radii,
Thermal expansion.

Results are given of x-ray determinations of the tem-
perature-dependence of the parameters of elementary
cells of hexaborides LaB_6 , CeB_6 , PrB_6 , CaB_6 , BaB_6 ,
 LaB_6 , and CeB_6 .

(Chemistry--Inorganic, TT, v. 6, no. 1)

- I. Stepanova, A. A.
- II. Umanskiy, M. M.
- III. AEC-tr-4270
- IV. Royer and Roger, Inc.,
Washington, D. C.

Office of Technical Services

30
The Effect of Light on Growth and Photosynthesis
of Chlorella, by A. M. Serebrennikova, 27 pp.
RUSSIAN, per. Vestn. Lening. Univ., No 21, 1963,
pp 73-81. 989399
FTB-TT-64-346

Sci - Biol & Med Sci
Jul 64

362,04

Investigation of the Process of Thermal Dissociation of Hexacarbonyl of Molybdenum, by G. I. Stepanova, A. Rozen, 6 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 5, 1 pp 650-654.

PP

Sci

Oct 61

172,901

Investigation of the Purification Mechanism of
Metals from Impurities by the Zone Recrystalliza-
tion (melting) Method, by B. Aleksandrov,
B. Verkin, I. Lifshits, G. I. Stepanova, 32 pp.

RUSSIAN, per, Fiz Met i Metall, Vol II, No 1,
1956, pp 105-119.

SLA R-1805

Sci
Aug 58

70,865

Supersonic Mercury Vapour Jets, by Ya. M. Fogel,
G. A. Lisochkin, G. I. Stepanova, 9 pp. USCL

RUSSIAN, per, Zhur Tekh Fiz, Vol XXV, 1955,
pp 1944-1953. 9042951

ACBIL 1112

Sci - Phys
Oct 59

99,629

Influence of Lattice Vibrations on the Thermodynamic
Properties of Ortho- and Parahydrogen Solid Solutions
By G. I. Stepanova pp 5

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 5, 1962
pp 1263-1269

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 5

Sci

340,548

Jun 63

Amplification in Gold Solution, by L. A. Stepanova,
S. I. Stepanova, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,
No 2 (8), 1977, pp 485-494.

Amer Inst of Phys
Sov Phys-JETP
Vol VI (33), No 2

Sci - Phys

May 58

64,222

The Role of the Food Factor in the Mass Reproduction
of Leaf Pests on Cruciferae, by L. A. Stepanova, 9 pp.

RUSSIAN, per, Entomologicheskoye Obozreniye,
Vol XL, No 3, 1962, pp 273-278.

AIBS

Sci
Jul 62

206,433

The Effect of a Number of Antibiotics on the
Development of Monostratal Cell Cultures (Strains
HeLa and H. Ep. 2) of Human Neoplasms,
by S. M. Navashin, L. G. Stepanova, 6 pp.

RUSSIAN, per, Antibiotiki, Vol IV, No 6, 1959,
pp 38-43.

CB

165, 477

Sci

Jul 61

Interaction of Tick-Borne Encephalitis Virus and
Susceptible Cells-III. ~~KEM~~ Plaques Formed by Virus
in Swine Embryo Kidney Cell Cultures, by
MRX G. G. Andishapardae, L. G. Stepanova, 4 pp.

RUSSIAN, per, Voprosy Virusolog, Vol VI, No 4, 1961,
pp 404-408.

PP

Sci

Oct 62

216.082

A Comparative Cytological Analysis of the Tissue Culture Cells Under Normal Conditions and Acted Upon by the Poliomyelitis Virus. Report II. Cytological Changes in the Growing Cells Acted Upon by the Poliomyelitis Virus, by S. Ya. Zalkind, L. G. Stepanova, 5 pp.

RUSSIAN, par, Byul Eksper Biol i Med, Vol L, No 12, 1960, pp 76-80.

CB

Sci
Jul 61

162,616

A Comparative Cytological Analysis of
Tissue Culture Cells under Normal Conditions⁸⁵
and Exposed to the Action of Polio-myelitis
Virus. Communication I. The Trend of the
Cytological Changes in 4 Varieties of
Cells Cultivated in Normal Conditions, by
S. Ya. Zalkind, L. G. Stepanova, 6 p.

RUSSIAN, per, Byul Eksper Biol i Med,
Vol XLVII, No 6, 1959, pp 110-.

Consultant's Bureau

Sci
Feb 60

107,768

INFLUENCE OF FERTILIZERS ON THE PROPERTIES OF SOD-
PODZOLIC SOILS, by N.S. Avdonin, L.P. Arens, L.N.
Stepanova, 8 pp.

RUSSIAN, per, Pochvovedeniye, No 1, 1960, pp 25-34.

AIBS

Sci

172,921

Oct 16

Radiochemical Study of Ion Exchange on Swollen
Exchangers, by A. M. Trofimov, L. N. Stepanova,
3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 8,
1960, pp 1837-1842.

Cleaver-Hume Press

164, 553

Sci

Jun 61

The Structural-Group Composition of Fuels and Their
Chemical Properties, by G. S. Shimonayev, L. S.
Stepanova.

RUSSIAN, per, Khim i Tekh Topliva i Masel, No 12,
1959, pp 41-45.

NLL M. 3000

Sci

Feb 62

186, 0900

Low-Temperature Oxidation Products in Diesel
Fuels, by B. A. Englin, B. N. Klopov, L. S.
Stepanova, S. A. Razvins, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 12,
1959, pp 2733-2739.

CB

Sci

Nov 60

133,184

(2235-H)

The Problem of the Metabolism of Vitamin C and
Aromatic Amino Acids in Radiation Sickness, by
by M. N. Stepanova, I. I. Ivanov, 5 pp.

RUSSIAN, per, Voprosy Med Khim, Vol IV, No 5,
1958, pp 370-372.

PERMISSION
JPRS L-692-H

Sci - Med, radiobiology

Mag 58

83, 483
72, 172

Investigation of the Copper-Chromium-Zirconium
Phase Diagram, by M. V. Zakharov, N. S. Stepanova,
V. M. Glazov 7 pp

GERMAN, per, Metalloved i Obrabotka Metallov, No 3,
1956, pp 23-27.

AMS-83J17R

Sci

Jul 59

92, 731

Contribution to the Problem of Reactions between
Components dissolved in Ternary Solid Solutions,
by V.M. Glazov, M.V. Stepanova, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk;
Metall i Toplivo, No 3, 1962, pp 58-62.

SIC

Sci

Dec 62

233,052

The Criteria of Guaranteed Payment, by N.
Stepanova, 6 pp.
RUSSIAN, per, Ekonomika Sel'skogo Khozyaystva,
No 9, Sep 1964, pp 63-68.
JPRS 28398

P2

USSR
Econ
Feb 65

273,970

Improved Method of Preparing Anaplasmosis
Antigen, by N. Stepanova, A. Malekhov.
RUSSIAN, per, Trudy Vsesoyuz Inst Eksp Vet
No 28, 1963, pp 18-215
CSIRO/No 6910

N. STEPANOVA

Sci -
Jul 67

334,975

Determination of Microgram Amounts of Molybdenum
and Tungsten in Mineral Raw Material by Means of
Toluene-3, 4-Dithiol

By N. A. Stenanova and G. A. Yakunina pp. 7

RUSSIAN, per, Zhur Anal Khim, Vol XVII, No 7,
1962, pp. 858 - 864

CB

Sci

344,708

Aug 63

55
The Kattakurgansk Reservoir, by N. A.
Stepanova, 14 p.
RUSSIAN, per, Iz Gosud Nauchno-Issled
Inst Ozerogo i Rechnogo Rybnogo Khoz.
Vol L, No 8, 1961, pp 234-247.
*CISIL TT 00-51056

N. A. Stepanova

Sci-Ear Sci & Astron
Apr 66

TADZHIK SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL
HUSBANDRY AND VETERINARY MEDICINE, BY N. G.
STEPANOVA,

RUSSIAN, PER, TRUDY VSES INST EKSPER VET,
VOL XXIII, 1959, PP 356-358. 9090902

USDA TR V-1786

SCI - MED
AUG 62

208,169

Experimental Reproduction of Q-Fever and Serological Research, by A. P. Zetov, M. P. Chumakov, A. A. Markov, N. I. Stepanova, A. N. Petrov

RUSSIAN, no per, Veterinariya, Vol XXXIII, No 7, 1956, pp 44-53. CIA 9006561

USDA

Sci - Medicine
Oct 56 CTS

#0,125

Investigation of the Alkaloids of Girgensohnia 48
agrostiflora (Pall.) Fenzl. (Fam. Chenopodiaceae).
by N. K. Turashvskiy, N. L. Stepanova.
RUSSIAN, par. Zh. Obshch Khim, Vol 16, No 1, 1946,
pp 141-144.
ATS RU-5066

N. L. STEPANOVA

Sci-Chem
July 69

385,477

Supplement to the Volume Entitled "Application of
Geodesy in Photogrammetry, by N. N. Stepanova.

RUSSIAN, per, Geodeziy, Vol IX, Moscow/Leningrad,
1949, pp 355-400.

Available ORR/Ceo Div
OSU Series A, No 58

USSR

Scientific - Geophysics

2159

(NY-4341)

On the Synchronization of a Reflex Klystron by a
Weak External Force, by N. V. Stepanova, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, MVO SSSR,
Ser Radiofiz, Vol II, No 5, 1959, pp 753-758.

JPRS 5439

Sci

Sep 60

125,466

Synchronization of a Reflex Klyatron, by I. I.
Minakova and N. V. Stepanova, 6 pp.

RUSSIAN, per, Radiotekh i Elektr, Vol I, No 6,
1956, pp 805-808.

Morris D. Friedman
M-114

A 3.00

Sci

Aug 58

71,546

(NY-7173)

EFFECT OF IONIZING RADIATION ON THE UPPER
RESPIRATORY TRACT OF EXPERIMENTAL ANIMALS,
BY R. I. STEPANOVA, 6 PP.

RUSSIAN, PER, SOVETSKOYE ZDRAVOOKHRANENIYE KIRGIZII,
NO 2, MAR/APR 1962, PP 34-38.

JPRS 14861

SCI - MED

AUG 62

208,414

Chemistry of Acetals. Communication 14. Preparation of Polyenic Aldehydic Esters, Their Acetals, and Symmetrical and Unsymmetrical Polyenic Dicarboxylic Esters, by L. A. Yanovskaya, R. N. Stepanova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1963, pp 857-864x5.

CB

Sci
May 64

259,026

Molybdenum and Tungsten Oxide Modification of
Copper Catalysts for Oxidizing Propylene to
Acrolein, by N. I. Popova, R. N. Stepanova,
et al, 4 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 6,
1961, pp 916-919.

CB

Sci
Sep 62

210,461

Some Features of Higher Nervous Activity in
Healthy Man in Relation to dark Adaptation,
by T. S. Stepanova, 7 pp.

RUSSIAN, per, Zhur Vyshey Nervnoy Deyatel'nosti
imeni I. P. Pavlova, Vol IX, No 6, 1959, pp 830-
836.

PP

Sci

Oct 60

130,220